

A B S T R A C T

The invention describes materials comprising groups containing sulfur and phosphorous bonded together by a hydrocarbon chain and bonded via phosphorous and oxygen atoms to a metal ~~mineral~~ oxide of an element M, said materials being characterized in that they comprise M-O-M' groups, M' representing an element of a metal ~~mineral~~ oxide identical to or different from M, in that the ratio of the element M to phosphorous is about 0.5: 1 to about 500:1 and in that each phosphorous atom of the phosphorous-containing groups forms at least one P-O-M group and/or P-O-M' group. The invention also describes a process for preparing such materials.